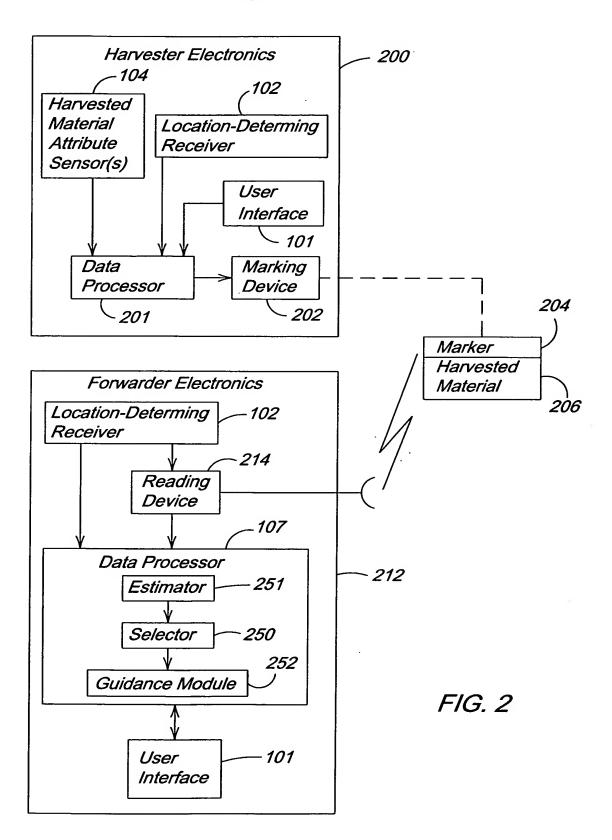


TITLE: LOCATING HARVESTED MATERIAL WITHIN A WORK AREA INVENTOR: Noel Wayne Anderson DOCKET #: 16111 /deb, mah

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TITLE: LOCATING HARVESTED MATERIAL WITHIN A WORK AREA INVENTOR: Noel Wayne Anderson

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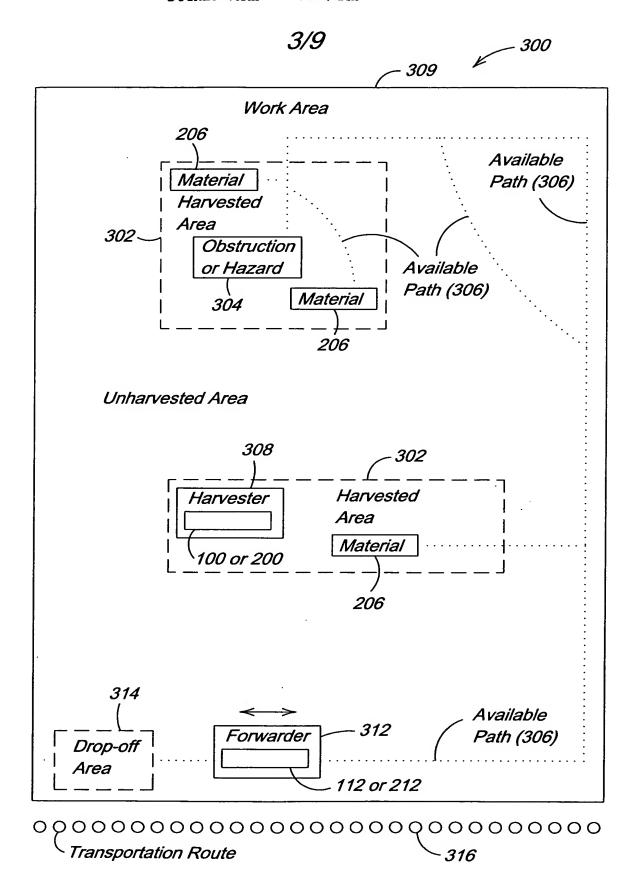


FIG. 3

TITLE: LOCATING HARVESTED MATERIAL WITHIN A WORK AREA INVENTOR: Noel Wayne Anderson DOCKET #: 16111 /deb, mah

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-S100

COLLECT MATERIAL DATA INCLUDING AT LEAST ONE OF HARVESTER LOCATION DATA, MATERIAL LOCATION DATA, MATERIAL IDENTIFIER, MATERIAL ATTRIBUTE, AND MATERIAL ATTRIBUTE VALUE ASSOCIATED WITH THE HARVESTED MATERIAL (E.G., WOOD).

-*S102*

OBTAIN BACKGROUND DATA FOR THE WORK AREA, WHERE THE BACKGROUND DATA COMPRISES ANY OF THE FOLLOWING: OBSTRUCTION DATA, HAZARD DATA, GROUND COVER DATA, TOPOGRAPHICAL DATA, ESTABLISHED TRANSPORTATION PATH DATA, AND VEGETATION DATA FOR AT LEAST PART OF THE WORK AREA.

-*S106*

STORE THE COLLECTED MATERIAL DATA AND THE OBTAINED BACKGROUND DATA.

-*S108*

MAKE AVAILABLE OR TRANSMIT THE STORED DATA TO A FORWARDER VIA AN ELECTROMAGNETIC (E.G., A RADIO FREQUENCY) SIGNAL.

FIG. 4

-S100

COLLECT MATERIAL DATA INCLUDING AT LEAST ONE OF HARVESTER LOCATION DATA, MATERIAL LOCATION DATA, MATERIAL IDENTIFIER, MATERIAL ATTRIBUTE, AND MATERIAL ATTRIBUTE VALUE ASSOCIATED WITH THE HARVESTED MATERIAL (E.G., WOOD).

-5110

MARK THE HARVESTED MATERIAL WITH A REFERENCE MARKER FOR REFERENCING THE COLLECTED DATA.

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RECEIVE STORED DATA VIA AN ELECTROMAGNETIC SIGNAL (E.G., A RADIO FREQUENCY SIGNAL).

S202

DETERMINE A FORWARDER LOCATION OF A FORWARDER IN THE WORK AREA.

S204

OBTAIN BACKGROUND DATA FOR THE WORK AREA, WHERE THE

OBTAIN BACKGROUND DATA FOR THE WORK AREA, WHERE THE BACKGROUND DATA COMPRISES ANY OF THE FOLLOWING: OBSTRUCTION DATA, HAZARD DATA, GROUND COVER DATA, TOPOGRAPHICAL DATA, ESTABLISHED TRANSPORTATION PATH DATA, AND VEGETATION DATA FOR AT LEAST PART OF THE WORK AREA.

-*S208*

IDENTIFY A PREFERENTIAL PATH PLAN WITH AN EFFICIENT ECONOMIC COST BETWEEN THE FORWARDER LOCATION AND THE MATERIAL LOCATION AND BETWEEN THE MATERIAL LOCATION AND A DROP-OFF DESTINATION BASED ON THE MATERIAL DATA, THE BACKGROUND DATA, AND COST FACTOR DATA. THE COST FACTOR DATA INCLUDES ONE OR MORE OF THE FOLLOWING: ESTIMATED TRAVEL TIME BETWEEN A STARTING POINT AND DESTINATION POINT OF A CANDIDATE PATH PLAN OR SEGMENT, EMPIRICAL TRAVEL TIME BETWEEN A STARTING POINT AND A DESTINATION POINT OF A CANDIDATE PATH PLAN OR SEGMENT, A TRAVEL DISTANCE BETWEEN A STARTING POINT AND A DESTINATION POINT OF A CANDIDATE PATH PLAN OR SEGMENT, AND A TRAVEL DISTANCE BETWEEN A MATERIAL LOCATION AND ONE OR MORE CORRESPONDING DROP-OFF LOCATIONS.

-S210

PRESENT THE PREFERENTIAL PATH PLAN TO THE OPERATER.

TITLE: LOCATING HARVESTED MATERIAL WITHIN A WORK AREA INVENTOR: Noel Wayne Anderson DOCKET #: 16111 /deb. mah

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	S201
READ THE REFERENCE MARKER DATA.	FOR REFERENCING COLLECTED
	S202
DETERMINE A FORWARDER LOCATION OF A FORWARDER IN THE WORK AREA.	
	S204
OBTAIN BACKGROUND DATA FOR THE WORK AREA, WHERE THE BACKGROUND DATA COMPRISES ANY OF THE FOLLOWING: OBSTRUCTION DATA, HAZARD DATA, GROUND COVER DATA, TOPOGRAPHICAL DATA, ESTABLISHED TRANSPORTATION PATH DATA, AND VEGETATION DATA FOR AT LEAST PART OF THE WORK AREA.	
,	S208
IDENTIFY A PREFERENTIAL PATH ECONOMIC COST BETWEEN THE THE MATERIAL LOCATION AND B LOCATION AND A DROP-OFF DES MATERIAL DATA, THE BACKGROW DATA. THE COST FACTOR DATA	FORWARDER LOCATION AND SETWEEN THE MATERIAL STINATION BASED ON THE UND DATA, AND COST FACTOR

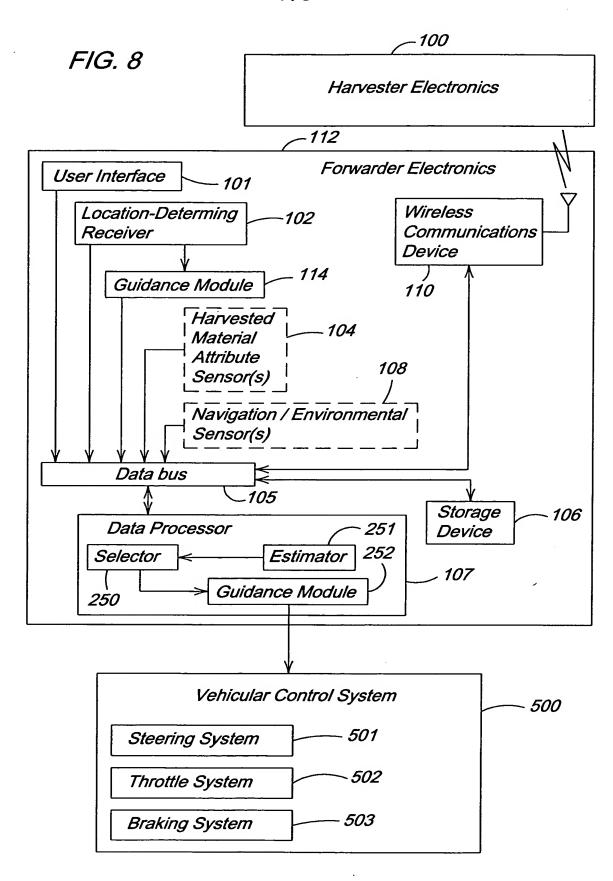
ECONOMIC COST BETWEEN THE FORWARDER LOCATION AND THE MATERIAL LOCATION AND BETWEEN THE MATERIAL LOCATION AND BETWEEN THE MATERIAL LOCATION AND A DROP-OFF DESTINATION BASED ON THE MATERIAL DATA, THE BACKGROUND DATA, AND COST FACTOR DATA. THE COST FACTOR DATA INCLUDES ONE OR MORE OF THE FOLLOWING: ESTIMATED TRAVEL TIME BETWEEN A STARTING POINT AND DESTINATION POINT OF A CANDIDATE PATH PLAN OR SEGMENT, EMPIRICAL TRAVEL TIME BETWEEN A STARTING POINT AND A DESTINATION POINT OF A CANDIDATE PATH PLAN OR SEGMENT, A TRAVEL DISTANCE BETWEEN A STARTING POINT AND A DESTINATION POINT OF A CANDIDATE PATH PLAN OR SEGMENT, AND A TRAVEL DISTANCE BETWEEN A MATERIAL LOCATION AND ONE OR MORE CORRESPONDING DROP-OFF LOCATIONS.

_S210

PRESENT THE PREFERENTIAL PATH PLAN TO THE OPERATER.

TITLE: LOCATING HARVESTED MATERIAL WITHIN A WORK AREA INVENTOR: Noel Wayne Anderson DOCKET #: 16111 /deb, mah

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TITLE: LOCATING HARVESTED MATERIAL WITHIN A WORK AREA INVENTOR: Noel Wayne Anderson DOCKET *: 16111 /deb, mah

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RECEIVE STORED DATA VIA AN ELECTROMAGNETIC SIGNAL (E.G., A RADIO FREQUENCY SIGNAL).

S202

DETERMINE A FORWARDER LOCATION OF A FORWARDER IN THE WORK AREA.

S204

OBTAIN BACKGROUND DATA FOR THE WORK AREA, WHERE THE BACKGROUND DATA COMPRISES ANY OF THE FOLLOWING: OBSTRUCTION DATA, HAZARD DATA, GROUND COVER DATA, TOPOGRAPHICAL DATA, ESTABLISHED TRANSPORTATION PATH DATA, AND VEGETATION DATA FOR AT LEAST PART OF THE WORK AREA.

-*S208*

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-*S211*

PROVIDE COMMANDS TO TRACK OR EXECUTE THE PATH PLAN TO AT LEAST ONE OF A STEERING SYSTEM, A THROTTLE SYSTEM, AND A BRAKING SYSTEM.

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	S201
READ THE REFERENCE MARKER DATA.	FOR REFERENCING COLLECTED
DETERMINE A FORWARDER LOC THE WORK AREA.	ATION OF A FORWARDER IN

OBTAIN BACKGROUND DATA FOR THE WORK AREA, WHERE THE BACKGROUND DATA COMPRISES ANY OF THE FOLLOWING: OBSTRUCTION DATA, HAZARD DATA, GROUND COVER DATA, TOPOGRAPHICAL DATA, ESTABLISHED TRANSPORTATION PATH DATA, AND VEGETATION DATA FOR AT LEAST PART OF THE WORK AREA.

-*S208*

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-*S211*

PROVIDE COMMANDS TO TRUCK OR EXECUTE THE PATH PLAN TO AT LEAST ONE OF A STEERING SYSTEM, A THROTTLE SYSTEM, AND A BRAKING SYSTEM.